# Database Design for DELICIOUS

Collation: utf8-bin.

Support three languages: Chinese, English and French. Table names end with '*\_xx*' are tables involve different languages, *xx* = *cn*, *en* or *fr*, meaning Chinese, English or French respectively.

## Table Name: resto\_admin

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I\* | COMMENTS |
| admin\_id | tinyint(3) unsigned |  |  | Yes | Primary Key. Admin ID. |
| username | varchar(30) |  |  |  | Administrator's name. Unique. |
| password | char(32) |  |  |  | Encrypted with MD5 function. |
| email | varchar(60) |  |  |  |  |
|  |  |  |  |  |  |

\*: **A-I** means auto-increment.

## Table Name: cate\_cn

These 3 tables store categories (limited) in a certain language respectively.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| cate\_id | smallint(5) unsigned |  |  | Yes | Primary Key. Category ID. |
| cate\_name | varchar(50) |  | **\*** |  | The category's name in Chinese. |
|  |  |  |  |  |  |

## Table Name: cate\_en

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| cate\_id | smallint(5) unsigned |  |  | Yes | Primary Key. Category ID. |
| cate\_name | varchar(50) |  | **\*** |  | The category's name in English. |
|  |  |  |  |  |  |

## Table Name: cate\_fr

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| cate\_id | smallint(5) unsigned |  |  | Yes | Primary Key. Category ID. |
| cate\_name | varchar(50) |  | **\*** |  | The category's name in French. |
|  |  |  |  |  |  |

\*These 3 fields cannot all be null.

## Table Name: dish

This table stores dish information that is common to all languages.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| dish\_id | int(10) unsigned |  |  | Yes | Primary Key. |
| cate\_id | smallint(5) unsigned |  |  |  | Category ID the dish belongs to. FK |
| dish\_no | varchar(50) |  |  |  | Dish number. |
| dish\_num | int(10) unsigned | 0 | Yes |  | Dish inventory. |
| reg\_price | decimal(6,2) |  |  |  | Regular price of the dish. |
| current\_price | decimal(6,2) |  |  |  | Current price of the dish. |
| dish\_time | int(10) unsigned |  |  |  | Mark the publishing order of the dish. |
| is\_show | tinyint(1) | 1 |  |  | 1 means the dish is shown. |
| is\_hot | tingyint(1) | 0 |  |  | 0 means the dish is NOT hot for sell. |
| is\_spicy | tingyint(1) | 0 |  |  | 0 means the dish is NOT spicy. |
|  |  |  |  |  |  |

## Table Name: dish\_cn

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| dish\_id | int(10) unsigned |  |  | Yes | Primary Key. |
| dish\_name | varchar(50) |  | \* |  | Dish name in Chinese. |
| dish\_desc |  |  | Yes |  |  |

## Table Name: dish\_en

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| dish\_id | int(10) unsigned |  |  | Yes | Primary Key. |
| dish\_name | varchar(50) |  | \* |  | Dish name in English. |
| dish\_desc |  |  | Yes |  |  |

## Table Name: dish\_fr

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| dish\_id | int(10) unsigned |  |  | Yes | Primary Key. |
| dish\_name | varchar(50) |  | \* |  | Dish name in French. |
| dish\_desc |  |  | Yes |  |  |

\*These 3 fields cannot all be null.

## Table Name: album

This table stores album for each dish.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| id | int unsigned |  |  | Yes | Primary Key. |
| dish\_id | int unsigned |  |  |  | Dish ID. |
| album\_path | varchar(50) |  |  |  | Image name (Images of all dishes are stored under the same path which is designated by the program). |
|  |  |  |  |  |  |

## Table Name: promotion

This table stores information about promotion activities.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| prom\_id | int(10) unsigned |  |  | Yes | Primary Key. Promotion ID. |
| start\_time | int(10) unsigned |  | Yes |  | The start time of the promotion. |
| end\_time | int(10) unsigned |  |  |  | The end time of the promotion. |
| dish\_id | int(10) unsigned |  | Yes |  | Dish ID. Could be null if the promotion activity isn't related to any dishes. |

## Table Name: promotion\_cn

This table stores information about promotion activities.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| prom\_id | int unsigned |  |  | Yes | Primary Key. Promotion ID. |
| title\_cn | varchar(50) |  | \* |  | Promotion title in Chinese. |
| content\_cn | mediumtext |  | ^ |  | Promotion content in Chinese. |

## Table Name: promotion\_en

This table stores information about promotion activities.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| prom\_id | int unsigned |  |  | Yes | Primary Key. Promotion ID. |
| title\_en | varchar(50) |  | \* |  | Promotion title in English. |
| content\_en | mediumtext |  | ^ |  | Promotion content in English. |

## Table Name: promotion\_fr

This table stores information about promotion activities.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| prom\_id | int unsigned |  |  | Yes | Primary Key. Promotion ID. |
| title\_fr | varchar(50) |  | \* |  | Promotion title in French. |
| content\_fr | mediumtext |  | ^ |  | Promotion content in French. |

\*Fields cannot all be null.

^Fields cannot all be null.

## Table Name: promotion\_album

This table stores album for each promotion.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| album\_id | int unsigned |  |  | Yes | Primary Key. |
| prom\_id | int unsigned |  |  |  | Promotion ID. |
|  |  |  |  |  |  |
| dish\_id | int unsigned |  | Yes |  | Dish ID. |
| album\_path | varchar(50) |  |  |  | The image name used for promotion. |
|  |  |  |  |  |  |

## Table Name: slider\_album

This table stores images used for home page slide show.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| NAME | DATA TYPE | DEFAULT | NULL | A-I | COMMENTS |
| slider\_id | int unsigned |  |  | Yes | Primary Key. Slider ID. |
| dish\_id | int unsigned |  | Yes |  | Dish ID related to the slide image. |
| album\_path | varchar(50) |  |  |  | The image name used for slide show. |
|  |  |  |  |  |  |

## Entity-Relationship Diagram

